



BIYEUN M. BUCZYK—THE TECH

Koichiro Mizoguchi and Junichi Murakami of Japan demonstrate one application of their research by spraying a plate of sushi with aerosolized wasabi at this year's Ig Nobel Prize Ceremony in Harvard's Sanders Theatre last night. Mizoguchi and Murakami were awarded the Ig Nobel in chemistry for "determining the ideal density of airborne wasabi (pungent horseradish) to awaken sleeping people in case of a fire or other emergency, and for applying this knowledge to invent the wasabi alarm."

‘Sigh-cology’ and wasabi at Ig Nobels

‘When you gotta go, you gotta go’

By Janelle Mansfield

STAFF REPORTER

It's not everyday you get to see a Nobel laureate and a Harvard professor sing "The Elements" while one of them plays the accordion. Yet that's exactly what happened last night when Richard J. Roberts, winner of the 1993 Nobel Prize in Medicine, and Harvard medical professor Thomas Michel performed during the opening ceremonies of the Ig Nobel Prize Ceremony. Held annually in the Sanders Theatre at Harvard University, the Ig Nobels celebrate unconventional achievements in all fields of science and include performances from professors, Nobel Laureates, and professional opera singers. Chemistry was the theme of this year's ceremony, and in that spirit each winner received a model table inscribed with the elemental symbols on the surface — a literal

table of the elements.

The Ig Nobels honor strange scientific achievements, like a study conducted by Japanese scientists investigating the ideal concentration of airborne wasabi to be used as an alarm to awaken sleeping people in case of an emergency. The team won the chemistry Ig Nobel prize for discovering that the most effective wasabi concentration was between 5 and 50 ppm. They plan to expand their technology to be used as a shoe-odor eliminator and sushi topping in the future.

Two teams from Europe and the United States/Australia were both presented with the medicine prize for their investigations into the need to urinate. The European study found that people with a strong urge to urinate were better

Ig Nobels, Page 10

Whitehead professor Rudolf Jaenisch wins National Medal of Science

Professor Rudolf Jaenisch, a founding member of the Whitehead Institute, has been named as one of seven recipients of the 2011 National Medal of Science award. The National Medal of Science is the highest honor in the fields of science and engineering in the United States. Barack Obama named Professor Jaenisch this past Tuesday for his work on the epigenetic regulation of gene expression.

Epigenetic regulation refers to the biological processes that affect how genetic information is translated into cell structures without changing the genes themselves. This work has furthered understanding of embryonic and induced pluripotent stem (IPS) cells. IPS cells appear identical to embryonic stem cells, but they are created from adult cells so that eggs are not necessary.

The White House notified Jaenisch of his selection last week via email; he said he was "shocked and honored" when he heard, according to the MIT News Office.

However, Jaenisch refused to

take all the praise for the medal, crediting his entire lab with the award.

"I'm very grateful," he said to the News Office, "But I'm really only partly deserving of this. Any success I've had scientifically is due in large part to all the imaginative, hardworking people in my lab. I can't help but feel this type of credit should be distributed more broadly. I feel it's a team honor."

Jaenisch, who teaches 7.31 (Current topics in Mammalian Biology) and 7.82 (Topics of Mammalian Development and Genetics) has several notable achievements, including the creation of the first transgenic mouse and the first experiment which showed that therapeutic cloning could be used to correct genetic defects in mice.

A ceremony will be held at the White House this November for the professor and the other winners to receive their awards. More information about Professor Jaenisch can be found on his faculty website at <http://wi.mit.edu/research/faculty/jaenisch.html>.

—Jessica J. Pourian

For MIT150, Idea Bank reopens

Invitation to reflect on MIT150 and offer new suggestions

By Adisa Kruayatidee

STAFF REPORTER

The Idea Bank, an online forum for community members to give MIT comments and suggestions, is open again — this time to discuss the MIT150 festivities and collect ideas for future MIT150-inspired events. The Idea Bank is intended to foster ideas in a setting where students, faculty, staff, and alumni all have input.

Kirk D. Kolenbrander, vice president and secretary of the MIT Corporation, believes MIT150 was too important of an event not to cover in

detail.

"MIT150 was a set of experiences so many members of the community participated in. The bank is a good way to get ideas from a large cross section of them," he said.

As of last night, 20 discussion topics had been posted by users. Each user's post starts a thread in which subsequent visitors can comment.

MIT's open house and the Festival of Art, Science, and Technology (FAST) are two of the events that users on the Idea Bank have indicated they would like to perpetuate, Kolenbrander said.

Jay Scheib, associate professor in Music and Theater Arts, wrote in the forum that he appreciated the "meaningful conversations [FAST] fostered across disciplines."

"I don't think any of us could have predicted how successful and how important the FAST Festival would be at MIT," he said.

FAST — a four-month feature of events and installations around campus — included artistic exhibits created by students and faculty, along with several concerts and forums

Idea Bank, Page 7



ELIZABETH D'ARIZENZO—THE TECH

Professor Laurence R. Young ScD '62, from MIT's Department of Aeronautics and Astronautics, learns about some of the features in the Lockheed Martin Joint Strike Fighter simulator — brought to MIT with help from the Flying Club — in the Z-Center this past Tuesday. This F-35 simulation contains five screens displaying different outputs that the pilot would see in the actual plane.

IN SHORT

Free flu shots are available today from 10 a.m. to 4 p.m. on the third floor of the Student Center. Bring your MIT ID or insurance card.

The State of the Institute forum is on Monday, Oct. 3 at 11 a.m. in Kresge Auditorium. You can submit a question in advance at <http://web.mit.edu/institute-events/events/questions2011.html>.

Send news information and tips to news@tech.mit.edu.

THOUGHTS ON HOUSE DINING?

Student Life wants to know!

OPINION, p. 4

PROGRESS IN SAUDI ARABIA?

Believe it or not, there is a precedent for it. **OPINION, p. 4**

ABANDON PAKISTAN

Pakistan has made its choice, and it chose the terrorists. **OPINION, p. 5**



WASABI ALARMS, SIGH-COLOGY

Check out more photos of the laughable science at the Ig Nobel Ceremony.

PHOTO, p. 9

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—Edward Wong, *The New York Times*

Democrats argued that disaster aid should not be held up while Congress hunted for ways to pay for it. And they said the loan guarantee programs were creating thousands of jobs.

Weather Systems		Weather Fronts		Precipitation Symbols		Other Symbols	
H	High Pressure		Trough				Fog
L	Low Pressure		Warm Front				Thunderstorm
			Cold Front				Haze
	Hurricane		Stationary Front			<div>Compiled by MIT Meteorology Staff and <i>The Tech</i></div>	
							

Pakistani politicians reject Mullen’s attack charges

By **Salman Masood**
THE NEW YORK TIMES

ISLAMABAD — Even as it revealed growing skepticism toward Pakistan’s powerful military, an extraordinary national security conference ended here late Thursday with a statement rejecting as “baseless” allegations from America’s top military official that Pakistan was facilitating militant attacks in Afghanistan.

Military leaders and more than 50 politicians representing 32 political parties gathered at the residence of Prime Minister Yusuf Raza Gilani to discuss the charges made by Adm. Mike Mullen, chairman of the Joint Chiefs of Staff. Last week, Mullen told a Senate panel that the Haqqani network, a potent part of the insurgency battling U.S. forces in Afghanistan, was a “veritable arm” of Pakistan’s spy agency. He also accused the agency of supporting an attack this month by Haqqani militants on the U.S. Embassy in Kabul, the Afghan capital.

The statements reopened a rift between the nominal allies and set

off a furor in both countries, with the White House on Wednesday seeking to temper the remarks. In an interview with National Public Radio on Thursday, however, Mullen stood by his testimony, revealing a divide within the Obama administration that has, unusually, placed Mullen publicly in the hard-line position toward Pakistan. He has been the U.S. official leading the effort to improve cooperation.

He would not change a word of his testimony, Mullen insisted, saying, “I phrased it the way I wanted it to be phrased.”

Since his remarks last week, an atmosphere of crisis has gripped Pakistan, and the meeting Thursday was called to address fevered speculation among politicians and in the media that the United States was preparing to attack Haqqani havens, which U.S. officials have said are in North Waziristan, a part of Pakistan’s tribal areas bordering Afghanistan.

On Thursday, Pakistani politicians issued a 13-point resolution saying that Mullen’s “assertions are without substance and deroga-

tory to partnership approach.” They extended full support to the country’s armed forces “in defeating any threat to national security.”

The meeting of top officials here was addressed by Gilani and Foreign Minister Hina Rabbani Khar. The Pakistani army chief, Gen. Ashfaq Parvez Kayani, and chairman of the Joint Chiefs of Staff Committee, Gen. Khalid Shameem Wynne, also attended the meeting, which lasted more than seven hours.

Most notable was a briefing by Lt. Gen Ahmad Shuja Pasha, director general of the spy agency, the Inter-Services Intelligence Directorate, or ISI.

According to various accounts provided afterward by participants and local news networks, which cited unnamed sources, Pasha said that though Pakistan “did not want to take relations with the United States to the point of no return, it also was capable to defending itself in case of an attack.”

“Any U.S. attack against Pakistan in the name of extremists would be unacceptable,” he said.

Madoff trustee says ruling not as bad as first thought

By **Diana B. Henriques**
THE NEW YORK TIMES

The trustee for Bernard L. Madoff’s fraud victims said Thursday that he had overestimated how much his recovery efforts would be affected by a court ruling this week in his case against the owners of the New York Mets.

The practical effect of the ruling, released Tuesday by Judge Jed S. Rakoff of U.S. District Court in Manhattan, will be to reduce the amount of money the trustee, Irving H. Picard, can seek in court by \$6.2 billion — not by \$11 billion, as the trustee’s lawyers reported Wednesday.

In his ruling in the Mets case, Rakoff allowed the trustee to seek only the return of fictional profits paid out to the Mets owners, Fred Wilpon and Saul Katz, during the two years before the Madoff fraud collapsed in December 2008.

The trustee had sought to recover fictional profits paid out in the

six years before the collapse, citing provisions of New York state law that allow for a six-year recovery window. The judge also threw out the trustee’s bid to recover preference claims, the cash paid out to the team’s owners in the final 90 days of the fraud.

By reducing the time window and eliminating preference claims — actions that lawyers said would most likely apply to all the lawsuits the trustee has pending in U.S. Bankruptcy Court in Manhattan — the decision still “has significant potential ramifications that could affect recoveries as well as distributions” in the legal efforts to unwind Madoff’s epic Ponzi scheme, Picard said in a written statement released Thursday.

If the ruling had come at the onset of the fraud case, the effect would have roughly matched the estimate given Wednesday by Picard’s lawyer, David J. Sheehan. But some cases have been settled out of court and most likely will

not be affected by the ruling; once those were sifted out, the effect was reduced to \$6.2 billion, made up of at least \$2.7 billion in fictional profits and \$3.5 billion in preference claims.

It says much about the scale of the case that an adverse effect of \$6.2 billion, rather than \$11 billion, can be viewed with relief among lawyers trying to recover cash to repay Madoff’s victims, who claimed paper losses of almost \$65 billion and cash losses of about \$18 billion.

Picard has filed lawsuits seeking a total of about \$100 billion from a number of giant global banks and large investors. He has previously said that any money he recovers in excess of the \$18 billion in cash principal lost by many Madoff investors could be used to cover general fraud claims that can be asserted by all investors bilked by Madoff, even if they recovered all their principal before the fraud collapsed.

Some common ground found for legal adversaries on health care law

By **Adam Liptak**
THE NEW YORK TIMES

WASHINGTON — The 2010 health care overhaul law has provoked an unprecedented clash between the federal government and 26 states, dividing them on fundamental questions about the very structure of the federal system. But the two sides share a surprising amount of common ground, too, starting with their agreement in briefs, filed Wednesday, that the Supreme Court should resolve the clash in its current term.

Until just days ago, it was hardly clear that the Obama administration would agree with the states on the need for prompt review, as there were good political reasons for moving slowly. The court’s decision is now most likely to come just months before the 2012 presidential election.

Their briefs also reflect agreement on matters of substance. The

two sides, along with the judges in the majority in the appeals court decision most likely to be reviewed by the justices, all said the dispute is about means rather than ends. There are other ways, they said, for Congress to achieve near-universal health coverage, some of them more expansive than what was enacted.

“Both sides agree that Congress has the constitutional power to enact a national health care system that raised taxes to support a single government agency that pays all medical bills, just like Medicare,” said Walter Dellinger, who served as acting solicitor general in the administration of President Bill Clinton and supports the law.

Randy E. Barnett, a lawyer for some of the plaintiffs who on Wednesday sought Supreme Court review, made essentially the same point.

“What I’ve said from Day One,” he said, “is that if Medicare is con-

stitutional then Medicare-for-everyone is constitutional.”

Dellinger said there was irony in this harmony. “The constitutional attack is focused on a mandate that was necessary if the new system was to utilize the existing private market, which had traditionally been a conservative and Republican proposal for how to deal with health care,” he said.

To be sure, the two sides dispute whether Congress has the power under the Constitution’s commerce clause to require people to buy insurance through what the federal government calls a minimum coverage provision and the plaintiffs call an individual mandate.

But they agree that Congress could have achieved much the same thing through a slightly different mechanism, as Judge Stanley Marcus wrote in his dissent from the 2-to-1 decision issued in August by a panel of the 11th U.S. Circuit Court of Appeals in Atlanta.

Moods on Twitter follow biological rhythms, study finds

However grumpy when they wake up, and whether they stumble to their feet in Mumbai, Mexico City or Minnetonka, Minn., people tend to brighten by breakfast time and feel their mood taper gradually to a low in the late afternoon, before rallying again near bedtime, a large-scale study of posts on the social media site Twitter found.

Drawing on messages posted by more than 2 million people in 84 countries, researchers discovered that the emotional tone of people’s messages follows a similar pattern not only through the day but also through the week and the changing seasons.

The new analysis suggests our moods are driven in part by a shared underlying biological rhythm that transcends culture and environment.

Outside researchers cautioned that drawing on Twitter has its hazards, like any other attempt to monitor the fleeting internal states labeled as moods. For starters, Twitter users are computer-savvy, skew young and affluent, and post for a variety of reasons.

—Benedict Carey, *The New York Times*

Washington, seeking revenue, is in a mood to sell

WASHINGTON — Like Americans trying to raise quick cash by unloading their unwanted goods, the federal government is considering a novel way to reduce the deficit: holding the equivalent of a garage sale.

Deep within President Barack Obama’s proposals to raise revenue and reduce the deficit lies a method that has garnered bipartisan support, something rare in Washington these days. It involves selling an island, courthouses, maybe an airstrip, generally idle or underused vehicles, roads, buildings, land — even the airwaves used to broadcast television.

Many conservatives — including Rep. Paul Ryan of Wisconsin, chairman of the House Budget Committee, and the budget experts at the Cato Institute — support the broad idea of shrinking the government by selling parts of it. Democrats like the idea of virtually painless revenue-raising. Whether Congress can pass any bill in the current atmosphere, however, is far from certain.

—Edward Wyatt, *The New York Times*

A European crisis that could be measured in years

It has happened time and again in recent months as Europe’s debt crisis has played out. Stocks stage a remarkably strong comeback on expectations that a solution has been found. Then they quickly resume their decline as hopes dissipate, leaving investors puzzled and frazzled.

The problem, say close watchers of both the subprime financial crisis in 2008 and the European government debt crisis today, is that many investors think there is a quick and easy fix, if only government officials can come to an agreement and act decisively.

In reality, one might not exist. A best case in Europe is a bailout of troubled governments and their banks that keeps the financial system from experiencing a major shock and sending economies worldwide into recession.

But a bailout doesn’t mean wiping out the huge debts that have taken years to accumulate. Too much debt could take many years to ease.

—Graham Bowley and Liz Alderman, *The New York Times*

US asks Supreme Court to rule on health care

WASHINGTON — The Obama administration asked the Supreme Court on Wednesday to hear a case concerning the 2010 health care overhaul law. The development, which came unexpectedly fast, makes it all but certain that the court will soon agree to hear one or more cases involving challenges to the law, with arguments by the spring and a decision by June, in time to land in the middle of the 2012 presidential campaign.

The Justice Department said the justices should hear its appeal of a decision by a three-judge panel of the U.S. Court of Appeals for the 11th Circuit, in Atlanta, that struck down the centerpiece of the law by a 2-1 vote.

“The department has consistently and successfully defended this law in several courts of appeals, and only the 11th Circuit Court of Appeals has ruled it unconstitutional,” the Justice Department said in a statement. “We believe the question is appropriate for review by the Supreme Court.”

The administration did not explain why it did not take routine litigation steps that might have slowed the progress of the challenges enough to avoid a decision in the current Supreme Court term. It did say in its brief that the 11th Circuit’s decision striking down the central piece of a comprehensive regulatory scheme created “a matter of grave national importance.”

—Adam Liptak, *The New York Times*

US envoy to Syria trapped for a time by pro-Assad crowd

BEIRUT — Dozens of pro-government Syrians attempted to assault a U.S. diplomatic delegation that included the ambassador on Thursday, striking its motorcade as it traveled to a meeting with an opposition figure in Damascus and then trying to break into an office where the meeting was held, essentially trapping the participants inside for 90 minutes.

The United States protested the episode and suggested that the attackers had been deliberately allowed to harass the diplomatic delegation by Syrian security forces, who arrived belatedly to provide safe passage for the Americans to leave. The ambassador, Robert S. Ford, an outspoken critic of Syria’s President, Bashar Assad, was reported safe but some vehicles in his motorcade were damaged.

—Nada Bakri, *The New York Times*

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The progressive precedent in Saudi Arabia

Education and political representation can empower Saudi women

Saudi Arabia, from Page 4

Saudi Arabian women have today. Indeed, the decision to bring women to the voting booths was only made possible by a prior initiative for women's education.

To understand what led Saudi Arabia to become suddenly progressive today, we must look back to see how the precedents were first set.

In the 1940s, a brilliant young woman named Fatina Amin Shakir appealed to the Ministry of Higher Education to study abroad like her Saudi Arabian male peers. But her application was rejected. She appealed her case to King Faisal, a modernist for his time, and had her wish granted. Fatina became one of the first Saudi women to hold a PhD, from Purdue University.

The true push for women's education came from King Faisal's wife, Iffat Al-Thunayan. After introducing secular education to Saudi Arabian women, she went on to establish the first girls' college in Riyadh in 1960 — Kulliyat ul-Banat.

Despite growing progressivism abroad, back at home King Faisal faced scrutiny from many religious scholars. Faisal explained that educating women helps make them good mothers, and that the Quran has never called for the barring of women from education, so he concluded that "God enjoins learning on every Muslim man and woman."

Nowadays, nearly 60% of all Saudi students studying engineering, pharmacy, architecture, and law are women.

On Mar. 11, 2002, 15 girls died from a fire inside an elementary school because they were not allowed to exit the building without their head scarves. The religious police, or mutaween, stopped men from rescuing the girls, as it would have been sinful to ap-

proach them. The deaths sparked a public outcry. Public dissatisfaction with the role of the religious police and, more broadly, religious influence, surged. Since then, reform of the conservative education system has been total, and the religious overseers have been removed. Nowadays, in Saudi Arabia, nearly 60 percent of all students studying engineering, pharmacy, architecture, and law are women.

The State of the Race

The electoral picture continues to look grim for Democrats. In the good news category, Obama's approval ratings have stopped the steep decline that they have been on since May of this year. In the bad news category, the approval ratings have not bounced back either; they remain at roughly 43 percent approving, 51 percent disapproving — dangerously close to a Jimmy Carter-ish netherworld of unelectability.

The outlook for the party as a whole has deteriorated; Intrade lists the Democrats' 2012 odds of holding the White House, House of Representatives, and Senate at 48, 25, and 25 percent respectively, a notable decrease from last month. If the election were held today, those odds might be even worse, considering Republican Bob Turner recently had a stunning victory over Democrat David I. Weprin to fill the House seat

vacated by Anthony D. Weiner. Turner's victory in a district where registered Democrats outnumber Republicans 3-to-1 bodes ill for the left's prospects across the nation.

Romney and Perry lose to Obama in head-to-head polls, though the president loses against a generic GOP ballot.

On the Republican side of the coin, Rick Perry's star has dimmed considerably. It's not hard to find the reason why: Perry's performance in the Republican debates have been painfully inarticulate. His failure to put sentences together could not have come at a worse time for his campaign — having de-

clared his candidacy just six weeks ago, now is the time when the media and voters will put the greatest scrutiny on his record and qualifications. Intrade currently gives Mitt Romney a 45 percent chance of securing the nomination, versus Perry's 26 percent.

However, the real story is not Romney gaining the upper hand against Perry, but rather the intense dissatisfaction Republicans have with their current crop of declared candidates. There is good reason to be dissatisfied; both Romney and Perry lose to Obama in head-to-head polls, even though the president loses when polling against a generic GOP ballot.

A sign of this dissatisfaction is the heavy effort to draw New Jersey governor Chris Christie into the field of candidates. Intrade reports only a 21 percent chance of the governor entering the race, but a 10 percent

Turning to the Haqqanis, Pakistan has made its choice

The ISI's ties to an insurgent network undermine any hope of real cooperation with the US

By Keith Yost
STAFF COLUMNIST

A pitfall of writing for this newspaper as frequently as I do is that sometimes a major event comes along and I find that I've already said most of what I wish to say. Such is the case with Admiral Michael G. Mullen's recent admonishment of Pakistan's Inter-Services Intelligence for its ties to the Haqqani insurgent network.

It's difficult for me to add more than what I've already written in "While Karachi Slowly Burns" (Sept. 10, 2010), or "Mission Accomplished" (May 6, 2011). Pakistan is a state with a major security problem — India — and two mutually-exclusive strategies to deal with that problem: a stable security partnership with the United States, or an

We have long hoped that Pakistan would choose America, not terrorists, as the guarantors of its security, but that hope has been in vain. Now, Admiral Mullen, Pakistan's greatest remaining booster in the U.S. foreign policy establishment, has delivered what amounts to an ultimatum: either Pakistan severs its connection with the militant groups that are attacking NATO forces in Afghanistan, or America will sever its connection with Pakistan. The Pakistanis have refused to abandon the Haqqanis, and so the die is cast. The dissolution of the relationship between the United States and Pakistan is a *fait accompli*; it is inconceivable that the U.S. Congress will renew billions of dollars of aid for a country that is actively (and now publicly) engaged in the killing of U.S. troops.

Where the US should fall on this spectrum is open to debate — what must be avoided is naive optimism that Pakistan will have a Damascene moment and suddenly become the ally that the US requires.

The decision by the Obama administration to deliver the ultimatum to our nominal ally is not without its downsides. Our counter-terrorism efforts, as well as our warfighting in Afghanistan, rely a great deal on Pakistan's cooperation. However, in the long run, given Pakistan's behavior, long-term U.S. interests in South and Central Asia are

best served by a realignment toward India. The Obama administration deserves praise for its execution of this realignment. Years have been spent carefully setting the stage, giving the Pakistanis every opportunity to edge themselves back from their suicidal geopolitical strategy while simultaneously testing the waters of a U.S.-India partnership. And the choice of timing is impeccable: U.S. forces in Afghanistan are higher than they have ever been before, giving the U.S. its maximal leverage against Pakistan, but the president's political capital to remove those forces is also at its zenith, which undercuts Pakistan's main source of leverage over the U.S. — namely, its supply routes to Afghanistan.

It is important that Obama (or the next president of the United States) appreciates the gravity and finality implicit in Pakistan's rebuff of Mullen's ultimatum. Already, some pundits are selling the cutesy notion of the U.S. being "frenemies" with Pakistan, as if international relations followed a script out of some Hollywood high school drama. But there is no intermediate status between friends and enemies to be found here — as the U.S. withdraws its support from Pakistan, Pakistan will compensate for this loss by relying even more strongly on militant groups like the Haqqanis to provide for its national security. The break-up, once initiated, can only accelerate.

In the long run, the U.S. playbook on Pakistan should grow to resemble that of India's.

```
File Edit Options Buffers Tools Im-Python Python Help
import new_skills

def learnMarketableJobSkills():
    return linux, OSX, javascript, applescript, perl, python

if you.interest == True:
    print "E-mail join@tech.mit.edu"

----:----F1 joinTechno.py (Python)--L1--Top-----
```

Police Log

The following incidents were reported by the Campus Police between August 31, 2011 and September 18, 2011. The dates below reflect the dates the incidents occurred. This information is compiled from the Campus Police's crime log. The report does not include alarms, general service calls, or incidents not reported to the dispatcher.

- May 01 Bldg. 35 (127 Massachusetts Ave.) 12:00 a.m., Five skateboards stolen. Report taken.
- Jun 15 Bldg. W89 (Campus Police, 291 Vassar St.) 12:00 a.m., Larceny of bike.
- Aug 21 Bldg. 56 (21 Ames St.) 9:00 p.m., Past larceny of camera equipment.
- Aug 26 Bldg. N10 (155 Massachusetts Ave.) 3:00 p.m., Construction material stolen, report taken.
- Aug 27 Bldg. W89 (Campus Police, 291 Vassar St.) 1:00 a.m., Backpack with laptop inside stolen. Report taken.
- Aug 31 Bldg. E2 (70 Amherst St.) 6:49 p.m., Bike was stolen, report taken.
- Aug 31 Bldg. E52 (50 Memorial Dr.) 3:43 p.m., Annoying phone calls.
- Aug 31 Bldg. 11 (77 Rear Massachusetts Ave.) 10:17 a.m., Unauthorized use of computer. Report taken.
- Sep 01 Bldg. NW12 (138 Albany St.)

- Sep 01 10:17 p.m., Witnessed U-Haul truck strike a vehicle and flee the scene on Albany St. Cambridge Police notified.
- Sep 01 Bldg. W45 (West Garage, 125 Vassar St.) 8:00 a.m., Vehicle was damaged in the basement of the West Garage. Car 283 responds.
- Sep 01 Bldg. NE25 (5 Cambridge Ctr.) 4:19 p.m., Party states an ongoing problem with harrasing phone calls. Sector 1 responds.
- Sep 01 Bldg. W16 (Kresge Auditorium, 48 Massachusetts Ave.) 3:00 a.m., Report of a cleaning machine maliciously damaged. Report taken.
- Sep 01 Bldg. 16 (21 Ames St.) 12:00 p.m., Reporting party received a voice mail message from an unknown person with vulgar language.
- Sep 03 Bldg. W20 (Student Center, 84 Massachusetts Ave.) 12:00 a.m., Party reports laptop was stolen; report taken.
- Sep 03 Bldg. E55 (60 Wadsworth St.) 2:15 p.m., Party reports bike stolen from front of E55.
- Sep 04 Bldg. 62 (East Campus, West Parallel, 21 Ames St.) 5:25 p.m., Sudden death. Massachusetts State Police investigating.
- Sep 05 Theta Xi (64 Bay State Rd.) 11:36 p.m., Report of larceny of a laptop and iPhone from common area. Boston car responds.
- Sep 06 Bldg. E38 (292 Main St.) 11:49

- p.m., Report of possible homeless male in the basement of E38.
- Sep 06 Bldg. 13 (105 Rear Massachusetts Ave.) 6:24 p.m., Report that bike parts were taken off of bike. Report taken.
- Sep 06 Bldg. W79 (Simmons Hall, 229 Vassar St.) 7:05 a.m., Reports of suspicious male in the area of Simmons Hall.
- Sep 06 Alpha Tau Omega (405 Memorial Dr.) 9:02 a.m., Brick thrown through window. West car officer takes report.
- Sep 07 Bldg. E51 (70 Memorial Dr.) 10:39 p.m., Party reports his motor vehicle was keyed.
- Sep 07 Bldg. W89 (Campus Police, 291 Vassar St.) 5:36 p.m., Party reports his bike was stolen from the 13 bike rack area. Report taken.
- Sep 07 Bldg. 8 (21 Ames St.) 1:00 p.m., Report of a suspicious person.
- Sep 07 Bldg. 3 (33 Massachusetts Ave.) 10:44 a.m., Report of a suspicious package.
- Sep 08 Bldg. W11 (Religious Activities Center, 40 Massachusetts Ave.) 7:14 p.m., Malicious damage to posters with anti-religion graffiti. Report taken.
- Sep 08 Bldg. 46 (46 Vassar St.) 5:00 p.m., Report of a suspicious person. Person located and given trespass notice, all units clear.

COMPILED BY JOSEPH MAURER.

MacGregor steam pipe exploded



MANOHAR SRIKANTH—THE TECH

MacGregor residents were evacuated yesterday for an hour and a half after a steam pipe exploded nearby on Amherst Alley.



The 2011 Ig Nobel Informal Lectures

Saturday, Oct. 1st
1:00 pm, 26-100

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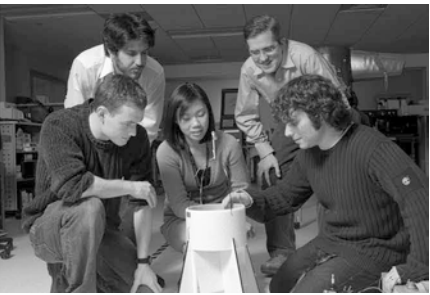
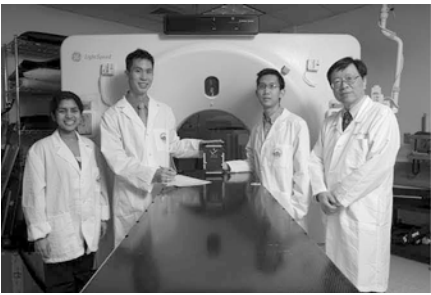
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Solution to Techdoku

from page 14

4	6	5	2	1	3
3	5	4	1	6	2
6	2	1	4	3	5
5	1	6	3	2	4
1	3	2	5	4	6
2	4	3	6	5	1

Solution to Crossword I

from page 13

A	L	M	S	S	O	Y	A	S	M	A	S	H
L	E	A	P	C	P	A	S	T	A	M	P	A
F	I	J	I	H	A	W	K	A	X	I	A	L
N	A	M	E	S	E	X	O	S	P	O	O	N
C	D	R	O	M	S	W	O	W	O	N	S	
L	I	D	I	M	I	T	V	A	R			
I	N	O	N	S	T	A	G	E	R	I	G	H
G	H	O	S	T	W	R	I	T	E	A	L	T
U	N	C	N	F	C	S	H	A	R	U	F	F
R	E	L	I	G	I	O	U	S	R	I	T	E
I	R	E	N	E	M	C	C	I	O	V	A	L
A	V	A	S	T	F	L	A	N	R	E	B	A
H	E	R	T	Z	Y	A	N	G	D	R	E	W

Idea Bank serves as a forum for community input



MIT150 Idea Bank posters have suggested that MIT should hold open houses more often. In this April file photo, a team from the Research Laboratory of Electronics help open houses guests build a simple DC motor in the Stata Center.



FAST LIGHT lit up the Charles River last May in the culmination of a semester of art installations around campus, as seen in this file photo. Idea Bank commenters have asked for the spirit of FAST installations to continue.

Idea Bank, from Page 1

intended to make viewers consider the relationship between science, technology, and art. Events such as FAST LIGHT — when the Harvard Bridge and Charles River were colorfully lit up — drew crowds from MIT and Boston.

FAST should happen again for the campus and city enrichment value, wrote Martha E. Sieniewicz, special assistant to the president, in the Idea Bank.

“Let’s have FAST become a regular, recurring feature of our community life, and let’s think about ways to use it to make the world more delightful beyond just a single evening,” she said.

Catherine A. Olsson ’12 agreed that MIT150 provided a valuable intellectual addition to the campus in the form of the MIT150 Symposia series.

“As an undergraduate, the experience of being able to attend the Brains, Minds, and Machines symposium to listen to leaders in the field speak, right on the MIT campus, at no cost, was immensely valuable,” she said on the Idea Bank website.

Olsson added that the more routine symposia the Institute usually holds should be better advertised to undergraduates.

Enthusiasm for the April open house was also high. Attendees of the Institute’s one-day open house — the first in 30 years — seemed to appreciate the hands-on activities and talks.

“Let’s have an open house every few years,” wrote Joseph F. Gifun, assistant director of the Systems Engineering Group, “I worked on the preparation and execution of the event and observed first hand the collaboration between departments for the single purpose of making the open house a success — incredible.”

The opportunity for a great impact on the community is also present,

said Jonathan A. Battat G, “Our physical campus — labs, people, etc. — is one of the most ideal tools possible to engage the public and especially young people.”

The first Idea Bank was initiated in 2009 following the global economic crisis of late 2008. At the time, MIT was seeking community input on cost-saving strategies without compromising the Institute’s core values. The ideas from that Bank were all presented to one of the Institute’s newly-formed task forces in charge of reviewing revenue, Kolenbrander said.

Since then, Idea Bank opened once again in April 2010 for discussion of a new house dining meal plan.

Since the majority of comments are linked to MIT user accounts, the Idea Bank coordinators can reach out to the writer directly should they choose to pursue an idea, Kolenbrander said.

However, it is unclear how many ideas conceived in prior Idea Banks have come to fruition.

As for future Idea Banks, the focus is on appropriate applications of the ideas, Kolenbrander said. The only criterion is that the Bank concern something of broad interest to the community.

The 2016 anniversary of MIT’s centenary move to Cambridge is the Institute’s next big milestone, but Kolenbrander believes that more can be gained from the Idea Bank than celebration plans.

“Going forward, we hope to take with us whatever lessons we learned as community. That can be in terms of big events, but also how we share our story and communicate our history,” he said. “[MIT150] was such a rich experience, there’s value in taking time to reflect.”

Kolenbrander hopes to keep the MIT150 Bank running for at least a month or two to create more discussion. The Idea Bank can be accessed at <http://ideabank.mit.edu>.

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Free for MIT students with an ID, \$5 for non-students & alums





12p-4p Men's rugby game on field D

1p-3p Men's soccer game vs Williams at Steinbrenner Stadium
Mocha Moves performing during half-time

3p-4p Pickup games in the Johnson Overhang

3:45p DJ announces Athletics Weekend prize and raffle winners

4p-6p Women's soccer game vs Smith at Steinbrenner Stadium
Mocha Moves performing during half-time



MIT Foreign Languages & Literatures

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Application deadline is October 18, 2011.

For more information and application forms, go to web.mit.edu/jsf or to FL&L's main office (14N-305).

Solution to Sudoku

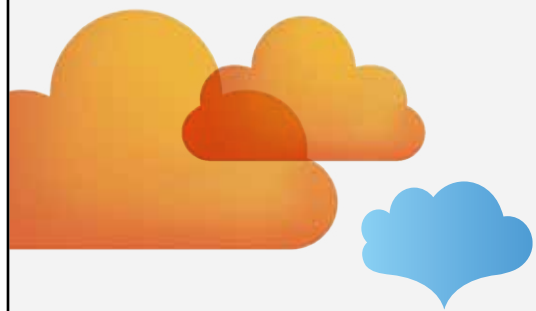
from page 14

6	4	1	9	8	3	2	7	5
2	9	3	7	4	5	6	8	1
5	7	8	2	6	1	9	4	3
7	2	4	1	3	8	5	9	6
1	8	9	6	5	7	3	2	4
3	6	5	4	9	2	8	1	7
8	1	7	3	2	6	4	5	9
4	3	2	5	1	9	7	6	8
9	5	6	8	7	4	1	3	2

Solution to Bonus

from page 15

T	E	R	R	A	A	M	A	S	F	L	E	E
O	R	I	E	L	R	A	R	E	J	I	L	T
P	R	O	V	I	D	E	N	C	E	O	L	L
E	S	T	B	E	T	E	P	O	R	T	A	L
			G	I	V	E	T	H	A	N	D	
A	S	S	I	S	I	A	G	E	S	A	G	O
S	A	C	S	L	I	S	T	E	R	M	U	G
P	L	O	T	S	T	H	E	S	T	A	I	R
I	S	U	C	L	A	U	D	E	R	I	L	E
C	A	R	P	O	O	L	A	G	E	N	T	S
			I	N	C	O	M	E	T	A	X	
N	A	U	S	E	A	A	B	A	S	E	N	D
O	U	S	T	T	A	K	E	T	H	A	W	A
D	R	E	I	E	V	E	R	E	L	E	V	E
E	A	R	L	D	A	R	T	D	A	R	E	D



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IG NOBELS 2011



- 1
- 2
- 3
- 4
- 5

From wasabi alarms to the link between urination and the brain to armored tanks, this year's Ig Nobel Prizes gathered some of the funniest yet thought-provoking science on the planet to Harvard's Sanders Theater last night. Between the award presentations, the audience was serenaded with chemistry opera and welcomed to throw paper airplanes at the stage. *The Tech* captured some of the evening's finest — and funniest — moments.

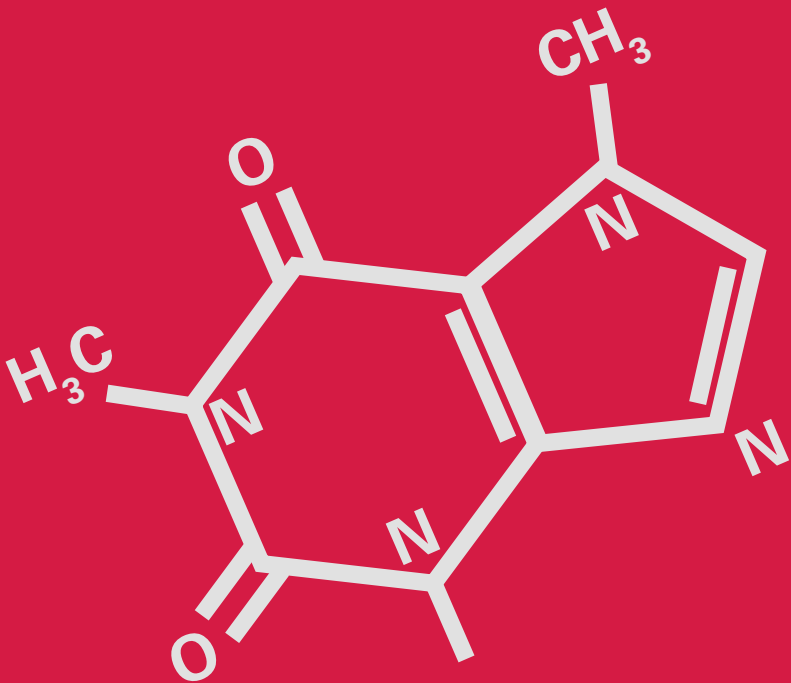
1. Marc Abrahams, the director and producer of the Ig Nobels, introduces Miss Sweetie Poo Liraz Brand. Miss Sweetie Poo is responsible for keeping the ceremonies running on time. If a guest's speech goes over time, she walks to the podium and repeats, "Please stop, I'm bored," until the guest stops talking.

2. Dan Meyer, the 2007 Ig Nobel Prize winner in Medicine, returns to Thursday's ceremonies to preform a sword swallowing encore.

3. Daniel Rosenberg performs a chemistry experiment during an Ig Nobel Moment of Science. The theme for this year's Ig Nobel Ceremony was chemistry.

4. Daniel Rosenberg executes another experiment involving oscillating metronomes on top of soda cans.

5. A human target stands on stage as people throw paper airplanes across Sanders Theatre, a long time tradition of the Ig Nobels.



Ig Nobels win laughs

Opera steals show

Ig Nobels, from Page 1

at suppressing impulses, including “increasing ability to resist more immediate temptations in monetary decision making.” The other group discovered that an intense need to urinate and staying up for 24 hours continuously have the same negative effect on driving ability. One of the scientists summed it up in his acceptance speech, saying, “When you gotta go, you gotta go.”

The literature prize was awarded to John R. Perry of Stanford University for his Theory of Structured Procrastination. The theory states, “to be a high achiever, always work on something important, using it as a way to avoid doing something that’s even more important.”

Students may be interested in reading his study, “How to Procrastinate and Still Get Things Done.” Part of his paper is about procrastinating by doing tasks that are still somewhat important. “Doing these tasks becomes a way of not doing the things higher up on the list ... the procrastinator becomes a useful citizen,” the study reads. Since the professor himself was in Germany last night, Perry’s assistant accepted the prize for him.

Arturas Zuokas, the mayor of Vilnius, Lithuania, won the Ig Nobel Peace Prize for his discovery that “the problem of illegally parked luxury cars can be solved by running them over with an armored tank.”

As many scientists aspire to do, Zuokas successfully put his research into practice in his town this August. To laughter and cheering from the audience, Zuokas said that his work reaches worldwide because “an idiot is the same no matter where he is and what language he speaks,” and that this discovery helps lessen idiocy.

The lineup of quirky discoveries continued when it came time for the psychology prize. Karl H. Teigen of the University of Oslo and his students studied the possible reasons people



BIYEUN M. BUCZYK—THE TECH

Maria Ferrante serenades Nobel Laureates Dudley Herschbach (Chemistry 1986) (left) and Peter A. Diamond PhD ’63 (Economics 2010) (right) with the joys of caffeine and its importance in coffee during *Chemist in a Coffee Shop*, this year’s Ig Nobel mini-opera.

sigh. Observing test subjects attempting to solve impossible puzzles, the Norwegian team discovered, perhaps unsurprisingly, that a sigh is a sign of giving up. Teigen says this research was intended as an exercise for his students, and, since their work dealt in a previously uninvestigated field, they had to “invent [their] own sigh-cology” as a part of the process.

The comedic atmosphere of the Ig Nobels was enhanced between the presentation of awards. The audience was entertained by “Chemist in a Coffee Shop,” a mini-opera about chemical composition and the effects of coffee. Attendees also “recycled” paper airplanes made from their programs by throwing them at a human target on the stage. In another audience participation effort, one audience member won a date with 1988 Nobel Prize in Medicine winner Louis J. Ignarro, famous for demonstrating the signaling properties of nitric

oxide.

The crowd at the Ig Nobels included several delegations dressed in costumes. Two groups from MIT made an appearance — Maseeh Hall sent a group wearing atomic mass numbers on their shirts and sporting foil helmets, while five members of “Epsilon Sigma Pi” — the Educational Studies Program — dressed up in hats shaped like sea creatures. One of the ESP members, Ben W. Horkley ’14, said that they came to “celebrate science” and that their costumes were influenced by “a deep love of crustaceans.”

Non-MIT delegations in attendance included the Studmuffins of Science, Museum of Bad Art, and Lawyers For and Against Chemistry.

The ceremony this year included seriousness amidst the celebration when the hosts paid tribute to William N. Lipscomb with a video comprised of his moments from past awards

ceremonies. Lipscomb, a Harvard chemistry professor and 1976 Nobel Laureate in Chemistry, participated in the Ig Nobels for many years before he passed away this spring. The video showed scenes of him acting in skits, performing with his clarinet, and tying his signature bow tie. The tribute to Lipscomb was both tactful and touching while still revealing his jovial personality, and the tribute fit seamlessly into the rest of the show.

The Ig Nobels this year provided a source of laughter, but also food for thought. Marc Abrahams, editor of the *Annals of Improbable Research* and master of ceremonies, summed it up when he said the awards show “makes people laugh, and then think.”

Those interested in learning more about the research behind the laughs may attend the free informal lectures by the Ig Nobel prize winners, which will be held tomorrow at 1 p.m. in 26-100.

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Northeastern alum arrested for terrorist plot

Planned to fly remote control aircraft full of C4 into Pentagon and US Capitol

By **Milton J. Valencia**
THE BOSTON GLOBE

ASHLAND — An Ashland man who holds a physics degree from Northeastern University was charged Wednesday with an Al Qaeda-inspired plot to send a remote-controlled aircraft carrying explosives into the Pentagon and the US Capitol “to kill as many people as possible,” according to a complaint filed in federal court.

Rezwan Ferdous, 26, a U.S. citizen whose only known previous crime was vandalism, told FBI agents working undercover as Al Qaeda members that he wanted to “change the world,” according to the complaint.

“I just can’t stop; there is no other choice for me,” he told the agents, according to an affidavit written by FBI Special Agent Gary S. Cacace.

“This is what we have to do. This is the righteous way ... to terrorize enemies of Allah,” he said, calling for the deaths of any kafir — the Arabic term for nonbeliever.

Federal officials said that at no point did Ferdous have sole control of explosive materials, such as C4, or guns, and that he was closely monitored by the FBI during his alleged plotting in the past year. But they also say that he was repeatedly questioned about his plans and that he was committed to carrying out the attacks.

“Our top priority is to protect our nation from terrorism and national security threats,” U.S. Attorney Carmen M. Ortiz said in a statement.

“The conduct alleged today shows that Mr. Ferdous had long planned to commit violent acts against our country, including at-

tacks on the Pentagon and our nation’s Capitol.”

She and Richard DesLauriers, special agent in charge of the FBI’s Boston division, said the arrest should not reflect on the larger Muslim community.

Prosecutors say that Ferdous modified mobile phones to act as electrical switches for improvised explosive devices and that he gave eight of them to the FBI undercover agents, who he thought were Al Qaeda recruiters. According to the affidavit, when told that one of the devices had killed three US soldiers and injured at least four others in Iraq, he exclaimed, “That was exactly what I wanted.”

Also, prosecutors said that Ferdous had already hatched a plan to attack federal buildings before he met the undercover agents this year. He traveled to Washington, D.C. and took pictures of the Pentagon and the Capitol.

He subsequently received at least \$7,000 from the agents to purchase one of the remote-controlled planes, which was the size of a human body. The agents also delivered 25 pounds of C4 explosives, three grenades, and six AK-47 assault rifles to Ferdous. He planned to recruit other men to shoot at people fleeing the Pentagon, prosecutors said.

Ferdous obtained the first plane in August. He then had the undercover agents deliver the explosive materials and guns Wednesday to a storage facility in Framingham that he had rented to plan his attacks. Once he took possession of the materials, he was arrested.

After making an initial appearance in U.S. District Court in Worcester, Ferdous was ordered

held without bail until a dangerousness hearing can be held at 3 p.m. on Monday, Oct. 3.

Ferdous lived with his parents and has a younger brother. The family was well known in the neighborhood, “nice people in our community,” said Ashland Police Chief Scott Rohmer.

Ferdous plays the drums and played in local bands, including Goosepimp Orchestra, a psychedelic Latin/funk band, and Silk Road, which promoted its songs as sounding like “a six-pack of Pabst and a mechanical bull,” according

‘This is what we have to do. This is the righteous way ... to terrorize enemies of Allah.’
—Rezwan Ferdous

to websites.

Some neighbors said he tended to seclude himself from neighborhood parties. “He had no interest in socializing,” said Brenda Macmillan, who lives across the street.

In 2003, Ferdous was charged along with two Ashland High School classmates for overnight vandalism in which concrete was poured in front of 10 school doors.

The students, however, denied in letters to classmates that they burned an American flag that had been found flying upside-down in front of the school that morning. Ferdous was placed on probation and ordered to pay \$406 in restitution, according to local reports.

Ferdous went on to graduate from Northeastern University in

2008 with a Bachelor of Science degree in Physics, the university confirmed.

According to the affidavit, Ferdous told the undercover FBI agents that he started thinking about violent jihad against the United States after seeing videos and reading materials promoted by Al Qaeda. It was then that he realized “how evil America is and that jihad is the solution,” according to the affidavit.

“As a result, he decided to, in his own words, ‘terrorize’ the United States by attacking Washington, D.C.,” the affidavit said.

Ferdous first started talking of his plans earlier this year to a witness who was working with the FBI. The witness has his own criminal record and was working as an informant.

But the witness later introduced Ferdous to two undercover FBI agents, and Ferdous went on to tell them of his plans, according to court records.

He allegedly provided them with computer thumb drives detailing the types of planes he would use — more than 5 feet long, with a wing span of more than 4 feet and able to carry about 10 to 12 pounds each. He preferred the F-4 Phantom and the F-86 Sabre, small-scale versions of U.S. military fighter jets, and would launch them from Eastern Potomac Park. He referred to them as “detonators,” and would fly them using a global positioning satellite.

“This is realistic. ... I can make these things happen,” he reportedly said. “What I envision is that it’s going to ... essentially decapitate the entire empire.”

DesLauriers said: “a committed


individual, even one with no direct connections to, or formal training from, an international terrorist organization, can pose a danger to the community.”

Ferdous became the third U.S. citizen with Massachusetts ties to be charged in a terrorism-related plot since 2007, when Daniel Maldonado, who had connections to Methuen and Lowell, was charged with supporting terrorists in Somalia. He was convicted and sentenced to 10 years in prison.

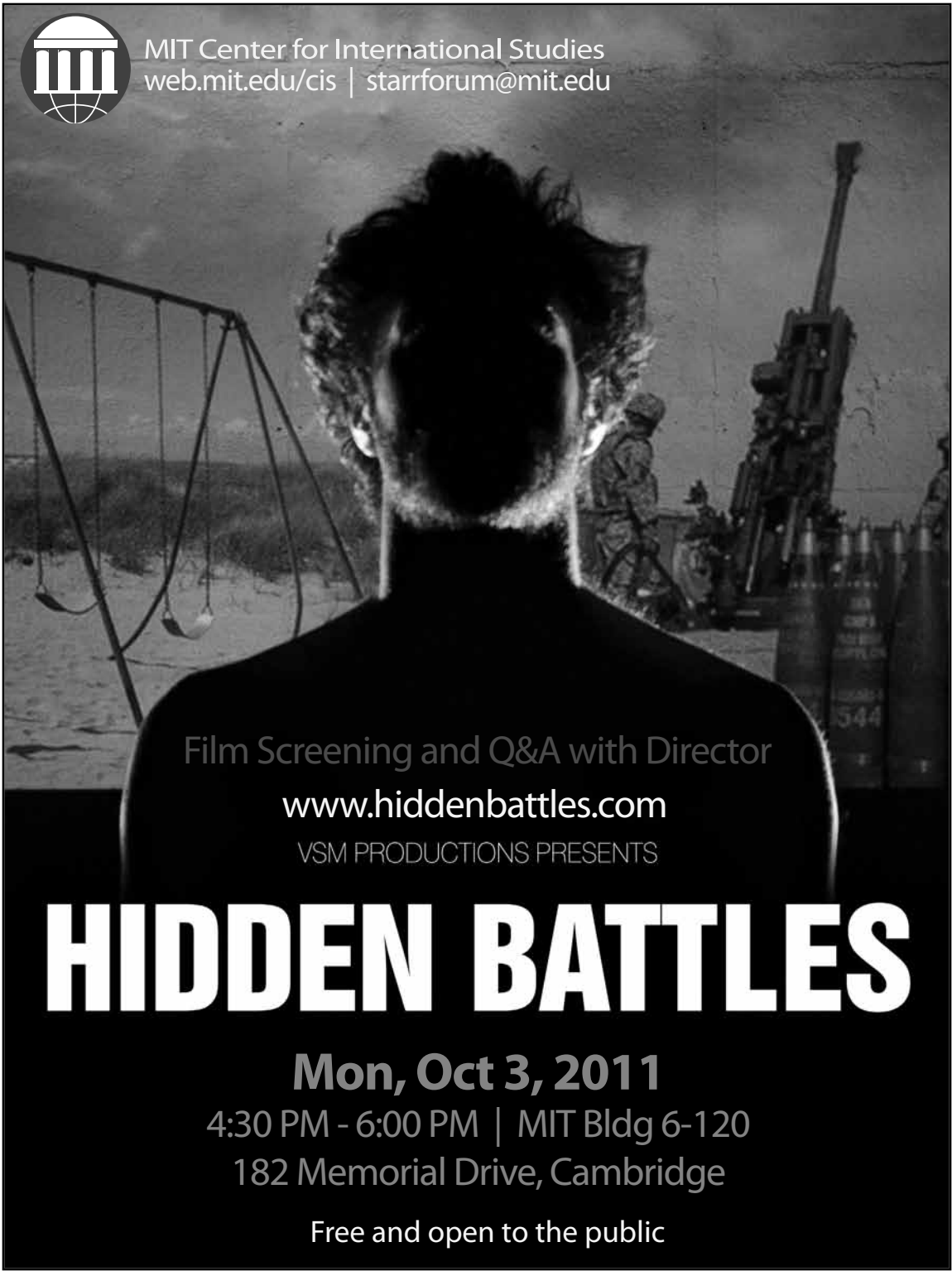
In 2008, Sudbury resident Tarek Mehanna was arrested on charges of lying to FBI agents in a terrorism investigation. He was later charged with conspiring to provide material support to terrorists and is slated to go to trial Oct. 24.

U.S. Representative William R. Keating of Massachusetts, the state’s only member of the House Homeland Security Committee, said Wednesday that the arrest of Ferdous is a textbook example of the dangers the United States faces from homegrown extremists, and that national security officials have been warning of their growth. They may follow Al Qaeda propaganda through videos and texts, and are then incited to carry out attacks without the scrutiny that a foreigner may receive.



“There’s a new kind of threat, a new strain of threat, and we have to be aware of it,” Keating said, adding that it was the first lesson he learned when he took office earlier this year. “If people need to get a clearer message of what we’re hearing [of the growing threat], these events should make people even more aware of that. It can be someone inside the US presenting the danger. Those things are real.”





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ARTS AROUND TOWN

One City One Story, more than one Scarlet Letter?

Boston Book Festival features Richard Russo’s short story “The Whore’s Child”

By Angelique Nehmzow

This morning I rollerbladed to Harvard to get some breakfast from Darwin’s. Paying the cashier, I noticed a little pamphlet entitled *One City One Story*: “The Whore’s Child.” My curiosity piqued, I picked it up and began reading it as I waited for my sandwich. I found myself drawn in instantly, and I had thoroughly devoured it by the time I had similarly finished off my sandwich.

The tale is narrated by the teacher of a fiction writing class, who finds himself with an idiosyncratic Belgian nun as one of his students. Sister Ursula is neither enrolled in the class, nor does she write fiction, but she is undeterred by his proclamation that, “We’re all liars here. The whole purpose of our enterprise is to become skilled in making things up, of substituting our own truth for the truth. In this class we actually prefer a well-told lie.” She remains in the class and

tells the sad story of her life through each of her writing assignments.

As the title suggests, Ursula is the child of a prostitute. She’s left at a convent school and suffers an unhappy childhood, bullied by nuns and fellow children. She dreams of being rescued by her father and of escaping, but after her mother dies she finally becomes a nun.

‘We’re all liars here. The whole purpose of our enterprise is to become skilled in making things up.’

The short story is written by Pulitzer Prize winner Richard Russo and is stylistically interesting, since as each “chapter” of Sister Ursula’s story unfolds, the teacher

and his class comment on and analyze it. This sometimes means the questions raised suggest new lines of thinking to the reader and guide his interpretation. It creates a meta-story and gives an outside perspective to the nun’s story; this plays a significant role in the ending, which has a satisfying and not-too-predictable twist.

The pamphlet itself is the second annual installment of *One City One Story*, a Boston Book Festival project that aims to provide a shared reading experience to the inhabitants of Boston and raise awareness of the pleasures of reading (their website provides audio files, downloads, and translations of the short story). Thirty thousand copies of the pamphlet have been published and distributed. The Boston Book Festival also includes a writing contest and an event on Oct. 15 where you can meet the author and discuss the story with others.

I was pleasantly surprised to hear of this

“The Whore’s Child”

from *The Whore’s Child and Other Stories*

By Richard Russo

Vintage

July 2003

project, and I hope to see more of these pamphlets around town. “The Whore’s Child” is a highly enjoyable read — so it seems only fitting for me to recommend it and embrace the project’s motto of “Read. Think. Share.”

For more information about One City One Story and the Boston Book Festival, visit <http://www.bostonbookfest.org/>.

MAKING AND DESIGNING MATERIALS ENGINEERING CONTEST



FINALISTS PRESENTATIONS AND AWARDS CEREMONY

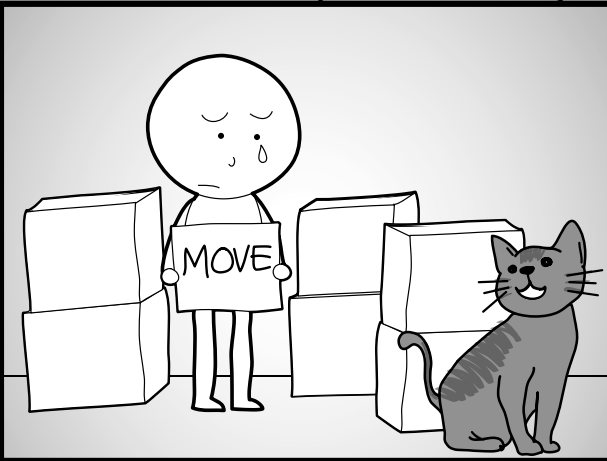
OCTOBER 6 2011, 7PM, MIT ROOM 6-120

<http://dmse.mit.edu/madmec>



it's not s fault

by TheShelterPetProject.org

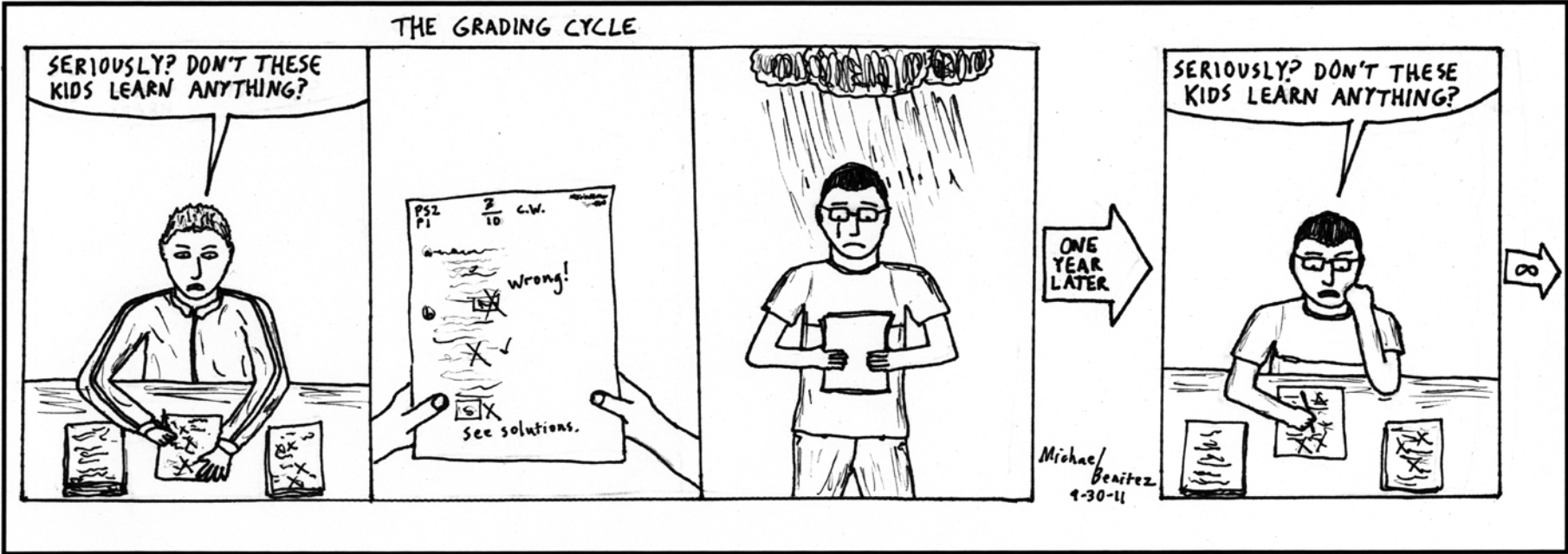


This space donated by The Tech



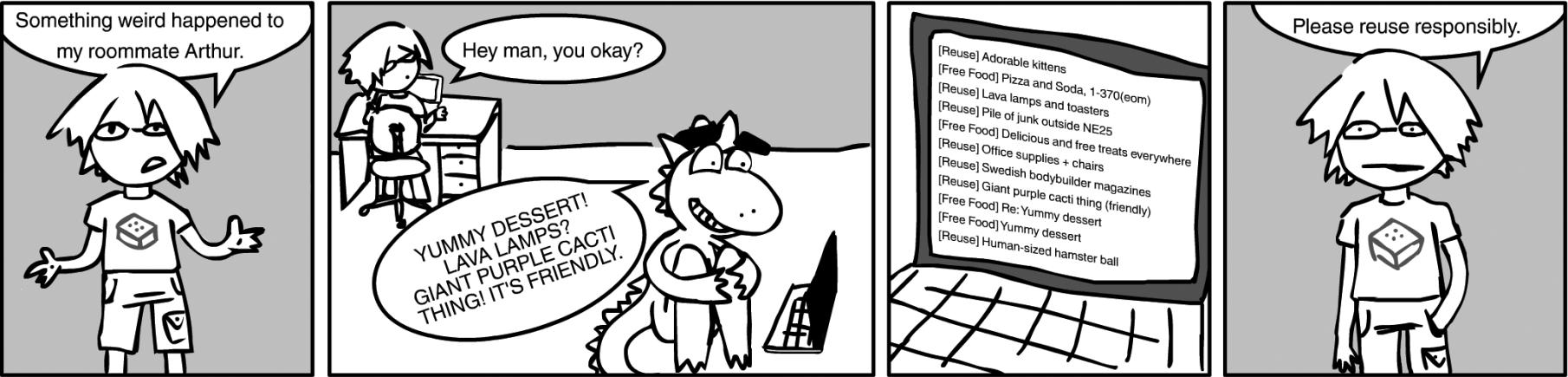
Help Desk

by Michael Benitez



Arthursaurus Rex

by Ramya Swamy



Crossword Puzzle

Solution, page 6

ACROSS

- 1 Gifts to the needy
- 5 Forage crop
- 9 Major hit
- 14 Quantum event?
- 15 No. brains?
- 16 Home of the Rays
- 17 Vijay Singh's homeland
- 18 Warmonger
- 19 Along a rotation line
- 20 Aviation pioneer
- 23 PC inserts
- 25 Impressive!
- 26 Switch positions
- 27 Pot cover
- 28 Not orig.
- 31 Alt. spelling
- 33 Aware of
- 35 Dramatic exit direction
- 40 Appellations
- 42 Outer: pref.
- 43 Pitch woo
- 44 Do uncredited work
- 47 Choir voice
- 48 Mai __ cocktail

- 49 O'Neal of basketball
- 51 N.Y.P.D. rank
- 52 Chapel Hill sch.
- 55 Sports division, est. 1969
- 57 Frilled strip
- 59 Bar mitzvah, e.g.
- 63 Castle that danced
- 64 1201
- 65 Out of round
- 68 Stop order, asea
- 69 Custard dessert
- 70 McEntire sitcom
- 71 Frequency unit
- 72 Yin's partner
- 73 Sketched

DOWN

- 1 TV alien
- 2 Floral loop
- 3 Head steward
- 4 Richard's Agnew
- 5 Rifts
- 6 Fiery gem
- 7 Ketch's sister
- 8 Out of kilter
- 9 George Lucas blockbuster
- 10 Full-length skirt
- 11 Pamplona pal
- 12 Hall-of-fame pitcher Warren
- 13 Terminates
- 21 Sch. in Lexington
- 22 Interlaced
- 23 Stick
- 24 Singer Shore
- 29 Roman way
- 30 Station lineup
- 32 Philbin's co-host
- 34 Cardinal's home
- 36 Early invader of Rome
- 37 Cause of a rush
- 38 Monopoly buy
- 39 Govt. security
- 41 "The Girl from Ipanema" guy
- 45 Hotspot service
- 46 Loop or stud
- 50 On the __ vive
- 52 Fictional Heep
- 53 Boldness

1	2	3	4		5	6	7	8		9	10	11	12	13
14					15					16				
17					18					19				
		20		21						22				
23	24							25			26			
27				28		29	30		31		32			
33			34		35			36			37	38	39	
40				41		42				43				
44					45				46		47			
			48				49			50		51		
52	53	54		55		56			57		58			
59			60				61	62						
63						64					65		66	67
68						69					70			
71						72					73			

- 54 Unobstructed
- 56 Cozy
- 58 Old Calif. training base
- 60 MIT word
- 61 Coll. Bruins
- 62 Use an MRI
- 66 Justice Fortas
- 67 Perry Mason's field

The Penny Arcade logo, featuring the words "PENNY" and "ARCADE" in a bold, white, 3D block font. The letters are slightly slanted and have a thick black outline. They are set against a dark grey, irregular, cloud-like background shape.

I started Karate yesterday!

Oh yeah? Did you do any of this?

IYAH!

Naw, it was just the first day.



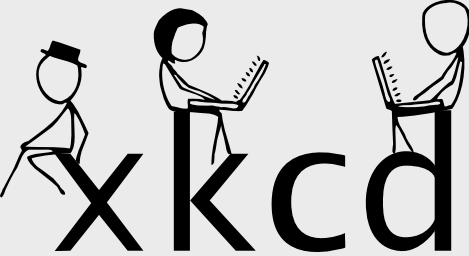
Solution, page 7

		1		8	3			
2		3		4	5			1
	7					9		
				3		5	9	
1		9				3		4
	6	5		9				
		7					5	
4			5	1		7		8
			8	7		1		

Solution, page 6

12x	22+			18x	3
			1		2
30x	96x				5
	1		90x	6+	
8+				16+	
2		3			

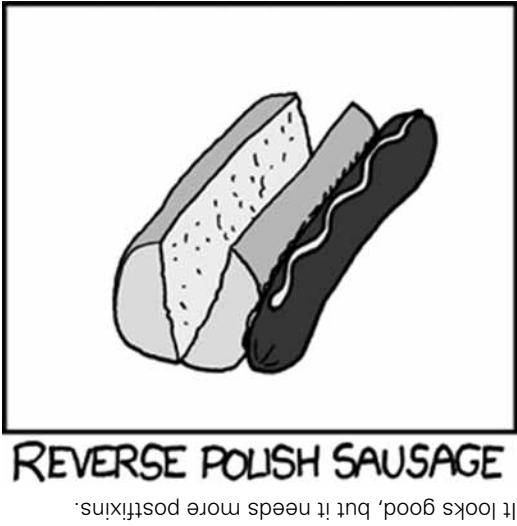
Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.



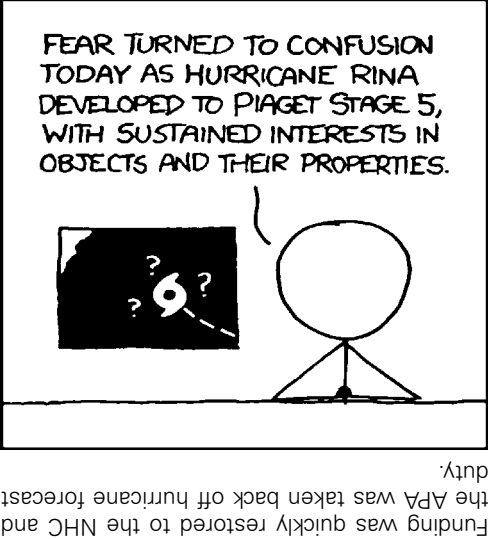
A WEBCOMIC OF ROMANCE, SARCASM, MATH, AND LANGUAGE

by Randall Munroe

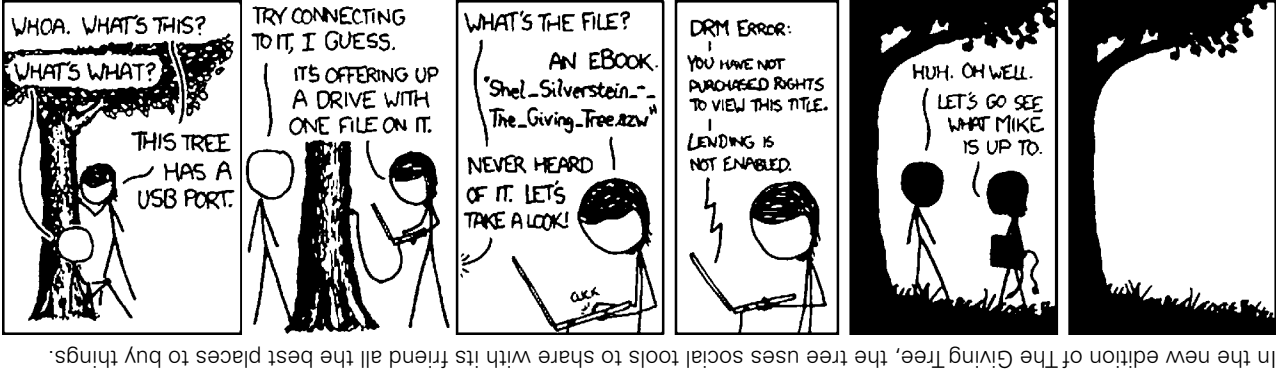
[645] RPS



[957] Development

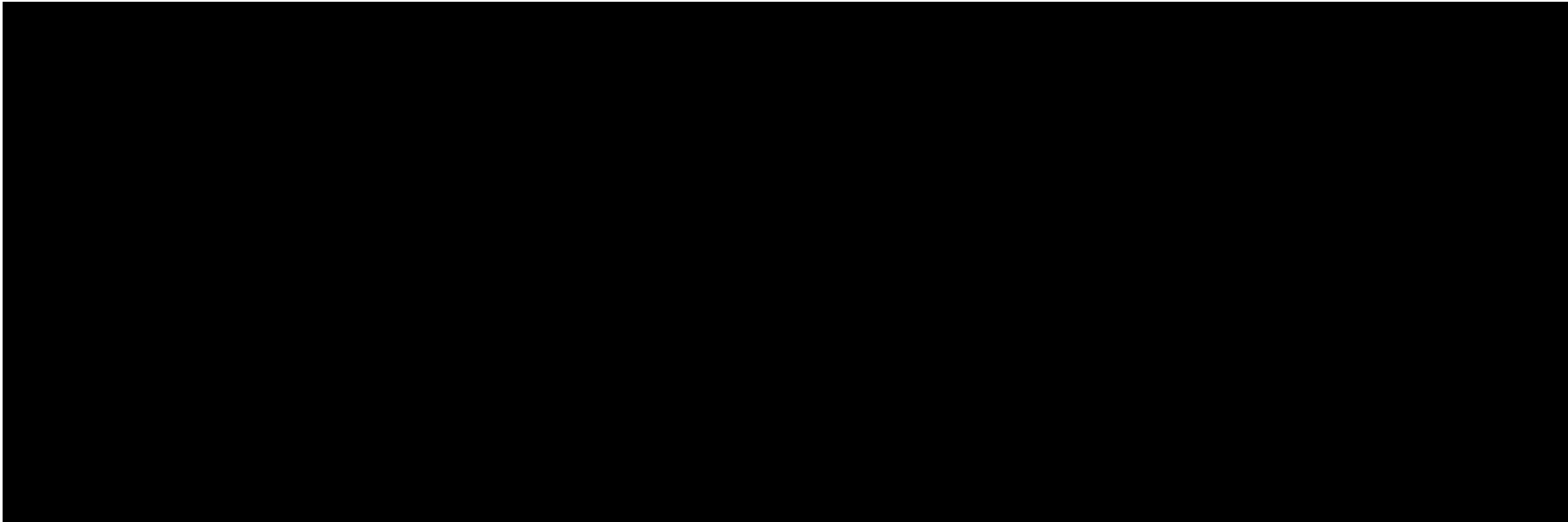
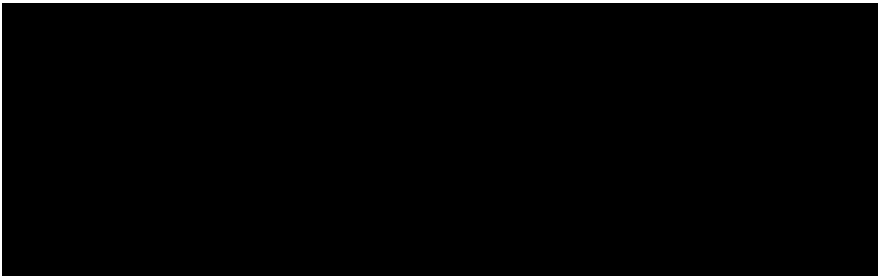
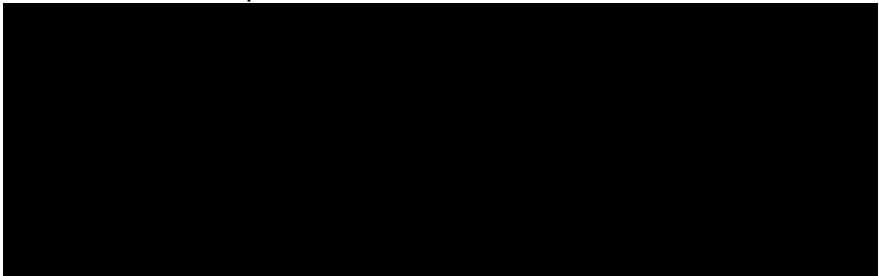


[956] Sharing



In the new edition of The Giving Tree, the tree uses social tools to share with its friend all the best places to buy things.

Dilbert by Scott Adams



Bonus Crossword Puzzle

Solution, page 7

ACROSS

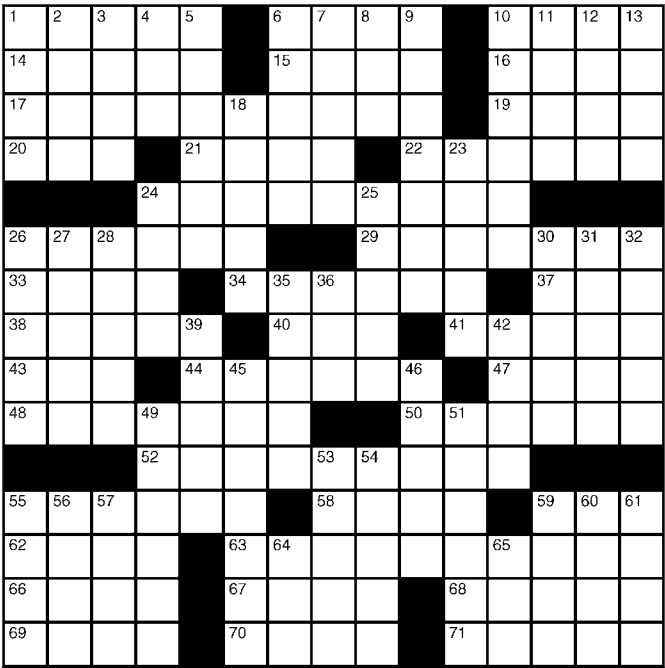
- 1 __ firma
- 6 Latin I lesson word
- 10 Skedaddle
- 14 Projecting bay window
- 15 Infrequent
- 16 Leave at the altar
- 17 Start of a quip
- 19 Earthenware crock
- 20 Erhard's program
- 21 __-noire (bugbear)
- 22 Entryway
- 24 Part 2 of quip
- 26 St. Francis' place
- 29 Way back when
- 33 Pouchlike structures
- 34 Antiseptic pioneer
- 37 Drinking cup
- 38 Storylines
- 40 Part 3 of quip
- 41 Part of a flight
- 43 Ames inst.
- 44 Composer Debussy
- 47 Ruffle feathers
- 48 Commuters' lane

- 50 Operatives
- 52 Part 4 of quip
- 55 Sartre novel
- 58 Arab garments
- 59 Finish
- 62 Force out
- 63 End of quip
- 66 Eins, zwei, __
- 67 Continuously
- 68 Ecole attendee
- 69 English title
- 70 Pub projectile
- 71 Took the plunge

DOWN

- 1 Shark type
- 2 Messes up
- 3 Mob action
- 4 Gun it in neutral
- 5 Cover stories
- 6 Narrow mountain ridge
- 7 "Olympia" painter
- 8 Circle part
- 9 Amount of ooze
- 10 North Sea inlets

- 11 Happy song
- 12 Singer Fitzgerald
- 13 List ender
- 18 The Evil One
- 23 Lulus
- 24 Pith
- 25 Despised
- 26 Meat stock jelly
- 27 Chip dip
- 28 Scrub extra hard
- 30 With all one's might
- 31 Jury's determination
- 32 Baddies
- 35 Author Calvino
- 36 Old Chinese kingdom
- 39 Tea treat
- 42 Chicago's Sue, for one
- 45 Placed
- 46 Bother
- 49 Flower part
- 51 Cut deeply
- 53 Creator
- 54 Chicago movie critic
- 55 Protuberance
- 56 Halo



- 57 Exploitive fellow
- 59 Water vessel
- 60 Church section
- 61 Soaked in anil
- 64 Actress Gardner
- 65 After the style of

